

KREJCI, E.; FUMOVA, M.; KRAL, J.A.; ZENISEK, A.; STOIZ, I.

Polarographic determination of urocanic acid in sweat. Cas. lek. cesk. 97 no.27-28:857-861 4 July 58.

1. II. ustatav pro chemii leknarskou KU v Praze, prednosta prof. Dr. A. F. Richter. Ustatav telovychovneho lekarstvi KU v Praze. prednosta prof. Dr. J. A. Kral. E. K., Praha 2, Salmovska 3.

(IMIDAZOLES, determination,
urocanic acid in sweat, polarography (Cz))
(SWEAT,
urocanic acid, polarography (Cz))

ZENISEK, A.; KRAL, J. A.; HAIS, I.M.; ROTH, Z.; SKRAMOVSKY, V.; KUTOVA, M.;
Technicka spoluprace M. Kyselova

Fractional composition of sweat produced by heat and strenous work.
III. Effect of previous baths. Cas.lek.cesk 100 no.6:170-175
10 F '61.

1. Ustav telovychovneho lekarstvi KU v Praze, prednosta prof. dr.
J. Kral. Vyzkumny ustav pro farmacii a biochemii, reditel inz. dr.
O. Nemecik. II. ustav lekarsky chemie KU v Praze, prednosta prof.
dr J. Sula. Vyzkumny ustav chorob revmaticickych, prednosta prof.
dr Fr. Lenoch.

(SWEAT chem) (BATH)

CZECHOSLOVAKIA

BUZINA, M. & KUTOVA, M.

1. J. Heyrovsky Polarographic Institute, Czechoslovak Academy of Sciences
(Polarographisches Institut J. Heyrovsky, Tschechoslowakische Akademie
der Wissenschaften) (for buzina,); 2. Institute for Flow Research (Institut
für Rheumafororschung), Prague (for kutova?)

Prague, Collection of Czechoslovak Chemical Communications, No 12, Dec 1965,
pp 4307-4315

"Effect of electrolyte flow on the polarographic catalytic hydrogen flow."

CZECHOSLOVAKIA

KUTOVA, M.; BREZINA, M.

1. Institut for Flow Research (Institut für Rhemafororschung) (for Kutova?);
2. J. Heyrovsky Institute for Polarography (Polarographisches Institut J. Heyrovsky), Czechoslovak Academy of Sciences (for Brezina?)

Prague, Collection of Czechoslovak Chemical Communications, No 2, Feb 1966,
pp 743-750

"Study of the characteristics of the polarographic protein double wave and the dependence of the drop electrode constant and the course of the instantaneous stream."

KUTOVA, T.N.

Ecological characteristics of plants in the temporary inundation
zone of Rybinsk Reservoir. Trudy DOZ no.4:403-466 '57.
(MIRA 11:12)
(Darwin Preserve--Botany--Ecology)

KUTOVA, T.N.

Hymenomycetes of the Darwin Preserve. Trudy DGZ no. 4:467-480
'57. (MIRA 11:12)
(Darwin Preserve--Hymenomycetes)

KUTOVA, T. N.: Master Biol Sci (disc) -- "The ecological characteristics of plants in the area of temporary flooding in the northern portion of the Rybinsk reservoir". Leningrad, 1958. 15 pp (Leningrad Order of Lenin State Univ A. A. Zhdanov), 150 copies (KL, No 5, 1959, p7)

KUTOVA, T.N.

Practices in studying and growing the Far Eastern rice Zizania
latifolia Turcz. in Rybinsk Reservoir. Trudy DGZ no.7:101-117
'61. (MIRA 16:2)
(Rybinsk Reservoir region--Rice)

POLYAKOV, Yu.A.; KUTOVA, T.N.; LEONT'YEV, A.M.; SERGACHEVA, I.A.

Radioactivity of plants in the Darwin State Preserve; data for
1958-1959. Trudy DGZ no.7:147-173 '61. (MIRA 16:2)
(Darwin Preserve—Plants—Chemical analysis)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6

CHABYAK, N.N., Univ. geol.-mineral. nauk; KITAYA, V.V.; VENIGEREA, V.M.

Second All-Union Conference on the problems of fractured
reservoir rocks. Naft. i gaz. prom. no.2:71-72 Ap-Je '63.
(MIRA 17:11)

I. Ukrainskiy nauchno issledovatel'skiy geologorazvedochnyy
institut.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6"

BORTNITSKAYA, V.M.; KUTOVAYA, D.V.

Determining the permeability of rock fractures. Trudy UkrNIGRI
no. 5:314-317 '63.
(MIRA 18:3)

KUTOVAYA, D.V.

Reservoir properties of the rocks of the Cretaceous and Paleogene sediments of the Tarkhankut Peninsula. Nafta, 1961, p. 31, no. 3; 8-11 Jl.-S '64. (MIA: 17.12)

BORTNIKAYA, V.M.; KUTOVAYA, D.V.

Effect of the mineralisation of connate water on the
determination of the gas permeability of rocks.
Trudy UkrNIGRI no.7:229-232 '63.

(MIRA 19:1)

3/13/61/000/011/114/123
ACG/A101

AUTHORS: Nikitina, O. I., Kutevaya, J. P.

TITLE: Use of the CT -7 (ST-7) stylometer for analyzing alloy steel and crude iron in the course of smelting;

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 11, 1961, 6, abstract 11K32 ("Sb. tr. Ukr. n.-i. in-t metallov", 1961, no. 7, 322 - 326)

TEXT: Using a ST-7 stylometer with gap width 0.07 mm, one controls the composition of steel and crude iron in the course of smelting and of final assays with respect to the following elements: heat-resistant steel - Ni, Cr, Mn, Si; stainless steel 18X9H (18Kh9N) - Cr, Mn, Si, Ni; stainless steel 0X4 (EZh4) - Cr, Mn, Si; medium alloy steel - Mo, Ni, Cr; heat-resistant crude iron - Cr, Mn, Si; cast iron - Mn, Si; irons with Mg - Mn, Si. The range of the concentrations of the elements determinable (in %) is: in heat-resistant steel - Mn 0.76-1.42, Cr 21.5-30.9, Si 1.88-2.74, Ni 17.2-21.4; in heat-resistant crude iron - Mn 0.61-0.74, Cr 0.80-0.92, Si 1.72-1.79; in medium alloy steels - Cr 0.21-0.45, Mo 0.41-0.70, Ni 2.93-3.70. The time of the analysis of one assay for 4 elements (Mn, Cr, Si, Ni) constitutes 20 - 25 min, for Mn, Cr, Si 15 - 20

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S/137/51/000/01./114/123

A060/A101

Use of the CT-7 (ST-7) stylometer for...

min, for Mn, Si 15 - 18 min. The arithmetical relative error of the reproducibility of the analysis is: for heat-resistant steels Mn $\pm 1.0\%$, Cr, Si, Ni $\pm 1.0\%$, for the stainless steel 18Kh9N - Mn $\pm 2.0\%$, Si and Ni $\pm 1.5\%$; for stainless steels EZh4 - Mn $\pm 2\%$, Si $\pm 1.5\%$, Cr $\pm 1\%$; for medium alloy steels - Cr $\pm 1.0\%$, Mo $\pm 1.7\%$, Ni $\pm 2.0\%$; for heat-resistant crude irons - Mn $\pm 5\%$, Cr $\pm 2\%$, Si $\pm 3\%$; for cast irons - Mn $\pm 3.5\%$, Si $\pm 2.5\%$; for crude irons with Mg - Mn $\pm 2\%$, Si $\pm 1.5\%$.

L. Vorob'yeva

[Abstracter's note: Complete translation]

Card 2/2

9,3120 (1003,1137,1140)

26-2531

AUTHORS: Mikhaylov, G.S., Kutovaya, L.A., and Pospelov, L.A.

TITLE: Dependence of the work function of thin films (cathodes)
on the ionisation potential of adsorbed atomsPERIODICAL: Radiotekhnika i elektronika, Vol.5, No.10, 1960,
pp. 1658-1662TEXT: This paper was read at the 9th All-Union Conference on
Cathode Electronics in Moscow, October 1959.Modern quantum theory of adsorption (V.L. Bonch-Bruyevich, Ref.1)
looks upon the metal base and the monolayer adsorbed on it as a
single quantum mechanical system in which the electron wave
functions for the metal base and the adsorbate overlap.A.I. Angel'm, (Ref.2), has used these ideas to obtain the following
expression for the change in the electron work function when a
metal base adsorbs foreign atoms:

$$\Delta\varphi = \frac{4\pi a\sigma}{\sqrt{2}\pi h^3} \int_{\varphi^*}^{\varphi^* + E_0} W(E') \frac{E' - \varphi^*}{\sqrt{(E_0 - \varphi^*) - E'}} dE' \quad (1)$$

Card 1/4

?153h
S/109/60/005/010/031/031/XX

Dependence of the work function of ...E032/E144

In this expression φ^* is the work function of the metal base, σ is the surface density of adsorbed positive ions, a is the distance of the induced negatively charged layer due to the positive adsorbed ions, $W(E')$ is the probability for the presence of electrons in the adsorbed layer, E' is the total electron energy in the potential well, and E_0 is the maximum kinetic energy of electrons in the well. The present authors use this theory to investigate the relation between the ionisation potential V_i and the change in the work function $\Delta\varphi$ during the adsorption of alkali and alkali-earth metals. Thus, for example, Fig.1 shows V_i and $\Delta\varphi$ as functions of the principal quantum number n . Fig.2 shows these two quantities as functions of position in the periodic table. These regularities can be used to predict the change in the work function for adsorbates whose properties are not known in detail. For example, Fig.1a suggests that the change in the work function for Rb should be approximately 2.88 eV. This is confirmed by the extrapolation indicated in Fig.2. In this way, one can predict that the work function of Rb on tungsten is approximately 1.62 eV. The procedure appears to be general and can be applied to other cases.

X

Card 2/4

21534

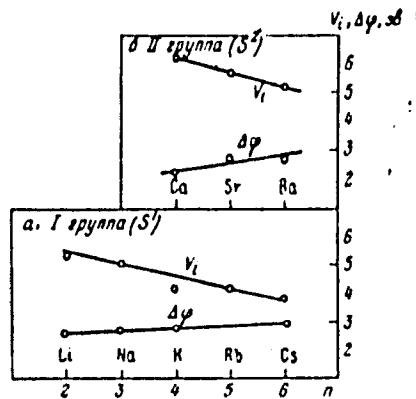
S/109/60/005/010/031/031/XX

Dependence of the work function.... E032/E114

There are 2 figures, 1 table and 26 references; 10 Soviet and
16 non-Soviet.

SUBMITTED: December 21, 1959

Fig. 1

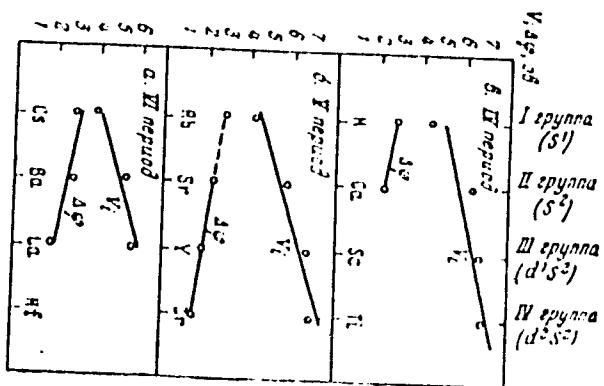


Card 3/4

21534

Dependence of the work function
S/109/60/005/010/031/031/XX
E032/E114

Fig. 2



Card 4/4

L 4905-66 EWT(d)/EWT(1)/ENP(v)/ENP(k)/ENP(h)/ENP(1)/ENA(h)/ETC(m) 77
ACC NR: AP5023278 UR/0302/65/000/003/0048/0049
62-553.3

AUTHOR: Kudryashov, A. N.; Kutovenko, S. S.; Polovoy, P. A.; Korotkov, V. P.

TITLE: Two-position contactless liquid level regulator ✓

SOURCE: Avtomatika i priborostroyeniye, no. 3, 1965, 48-49

TOPIC TAGS: liquid level indicator, liquid level instrument, automatic regulation 14

ABSTRACT: The existing relay-operating circuits for water level control in boilers utilizing aggressive "dark" waters are not very reliable. The breakdowns occur mostly because of various types of deposits and, consequently, the personnel of the Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgical Institute), in conjunction with the Zaporozhskiy filial Instituta avtomatiki (Zaporozh'ye Branch, Institute of Automation), developed a completely contactless liquid level regulator, the induction sensors of which exhibit increased sensitivity due to high-permeability ferrite cores used in the device. The sensor consists of a diamagnetic tube surrounded by three induction coils. The level is indicated by a float moving freely through the tube. In addition to the design characteristics of the sensor, the article describes the design and operation of the associated electrical circuit of the control which was successfully tested under laboratory conditions. Orig. art. has: 2 figures.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00 SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 1/1 CC

KUTOVENKO, S.S.; KUDRYASHOV, A.N.

Device for the automatic measurement of the gas permeability
of a charge mixture layer on a sintering belt. Met. i
gornorud. prom. no. 3:74-75 My-Je '65. (MIRA 18:11)

MOROZ, A.A.; KUTOVOY, A.M.

"Manual for agrometeorological posts of machine-tractor stations,
collective farms, and state farms." Reviewed by A.A. Moroz, A.M.
Kutovoi. Meteor.i gidrol. no.3:64-65 Mr '57. (MLRA 10:5)
(Meteorology, Agricultural)

KUZNETSOV, N. M.

None - 01/00/00

Uveal fundus complicated by thrombosis of the
central cavernous and optic veins. Vest. oto-rin.
In. 10. 5, 1952.

Monthly List of Russian Acquisitions, Library of Congress, September 1952. VOL 63 FIELD.

KUTOVOY, B.M.

Two cases of thrombosis of the sigmoid sinus following a
radical operation on the ear. Zhur. ush., nos. i gorl. bol.
23 no. 5:75 S-0'63 (KIRA 17:3)

1. Iz otstrelivaniya bolezney ukha, gorla i nosa Uman'skoy gorodskoy
bol'nitsy.

KUTOVY, D., inzh.

The guarantee of success lies in combining operations. Na stroi. Ros.
3 no.12:10-11 D '62. (MIRA 16:2)
(Kemerovo—Chemical plants)

KUTOVY, D.A., inzh.

Constructing precast reinforced concrete trestles. Prom.stroi.
By no.3:62 Mr '59. (MIRA 12:4)
(Trestles) (Precast concrete construction)

KUTOVOY, D.A., inzh.

Using precast reinforced concrete blocks in constructing under-ground cable tunnels. Prom.stroi. 37 no.3:63 Mr '59.
(MIRA 12:4)
(Concrete blocks) (Electric cables)

SIRMAYS, V.P., inzh.; KUTOVOY, D.A., inzh.

Use of cold asphalt mastic in the construction of a cooling tower.
Prom. stroi. 40 [i.e. 41.] no.3:41-42 Mr '63. (MIRA 16:3)
(Cooling towers) (Asphalt) (Waterproofing)

VOLOVSKIY, A.L., kandidat tekhnicheskikh nauk; KUTOVOY, E.N., inzhener;
BARCH, I.Z., inzhener.

Using gantry cranes in the industrial building. Stroi.prom. 34
no.11:10-15 N '56. (MLRA 9:12)
(Cranes, derricks, etc.)

Kutovoy, I.A.

100-7-3/11

AUTHORS: Barch, I.Z., Istomin, G.I. and Kutovoy, E.N. Engineers.

TITLE: Expedient Assembly and Dismantling of Building Tower Cranes (Skorostnaya montazh i demontaž strelit'ry... bashedennykh kranov)

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1977, Vol.1, no.7,
pp. 10 - 14 (USSR).

ABSTRACT: The Yuzhnoe Research Institute for Standards, which is attached to the Trusts of Zaporozhstroy, Krivbaucusstroy, Magnitostroy, etc. recently investigated the assembly and dismantling operations of the crane, KCh-5. Certain assembly operations were found to require 79.4 man-hours, i.e. 49.2% of the total assembly time. The corresponding dismantling operations take 43.8 man-hours, i.e. 43% of the total dismantling time. Engineer G.I. Istomin designed an assembly mast (viz. Fig.1) which reduces considerably these periods. Specifications of the assembly mast are given. The mast has a wheel which is incorporated in the former (built into the mast). The lifting mechanism is shown in Fig.2. The HT-51 control mechanism is used. These assembly masts have been used by the building organisations in Khar'kov and the Voroshilov Trust for the assembly and dismantling of the cranes KCh-5, CK-1 and T-128. Fig. 3 shows the assembly, dismantling and transportation

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100-7-3/11

Expedient Assembly and Dismantling of Building Tower Cranes

of the 6KCM-5 crane whilst using the above described mast. A cable is fixed to the lever of the hoisting arm of the crane. This is done to prevent any movement of the winch as the electromagnetic brake KMT-101 cannot operate when the winch is in an inclined position. The lowered crane is loaded on the 3M7-150 lorry which has a trailer attached to it. Fig. 4 shows the assembly of the crane. Comparative data for the periods of assembly and dismantling by the old and by the new method are given in a table on p.14. This method of assembly can also be used for the C6K-1 and T-128 cranes. It has been shown that the assembly mast can be used for the following cranes: 6KCM-5, C6K-1, T-128, T-178, 6K-2, 6KCM-2 and T-189. When cranes of up to 5 tons capacity are assembled or dismantled, a 4-cable pulley instead of a 2-cable pulley should be used. Light cranes (capacity 1-2 tons) can be assembled by using the winch attached to the crane. It was shown that the mast can be constructed from lighter sections when used in conjunction with the 6KCM-5 and C6K-1 cranes. There are 4 figures and 1 table.

AVAILABLE: Library of Congress

Card 2/2 1. Cranes-Handling 2. Cranes-Operation 3. Construction-Equipment

VOLOVEL'SKIY, A.L., kand. tekhn. nauk; KUTOVOY, M.N., inzh.

Comparative evaluation of tower cranes. Stroi. prom. 36 no.3:14-17
Mr '57. (MIRA 11:3)
(Cranes, derricks, etc.)

BARCH, I., inzh.; KUTOVOY, E., inzh.

Standard apparatus used for erecting tower cranes. Stroitel'
no.6:29 Je '58. (MIRA 11:7)
(Cranes, derricks, etc.)

GOLUBCHIK, S.A.; KUTOVOY, G.I.

Use of malt shoots in the production of ferments. Ferm. i spirit.
prom. 30 no. 7:28-29 '64 (MIRA 18:2)

1. Khar'kovskiy pivovarennyy zavod "Novaya Bavariya".

БИБЛІОГРАФІЯ, І. С.

An album of design of the instrument and repair equipment for machine and Tractor Stations and Machine and Tractor workshops Moscow, Sel'khozgiz, 1947. 447 p.

DA

KUTOVY, I. D.

Grinding of bearings. Moskva, Sel'khozgiz, 1949. 30 p.

1. KUTOVSKY, J.D.
2. UNCR (600)
4. AGRICULTURE
7. Reference book on equipment for repair shops and plants for agriculture. Izd.2-c.
Moskva, Mashgiz, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

1. KUTOVOY, I.D.
2. USSR (600)
4. Technology
7. Handbook on equipping repair shops and plants in agriculture. Izd. 2-3. Moskva. Mashgiz, 1952
9. Monthly List of Russian Accessions, Library of Congress, March, 1953. Unclassified.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6

Korolev, V.

Electric Apparatus and Appliances - Testing

Universal control testing unit KMS-M-1.

UES 12 No. 2, 1952

Monthly List of Russian Acquisitions, Library of Congress, August 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6"

SHAW, T.

Pneumatic Tools

Pneumatic hammer PM-50. MTS 12 no. 3, 1952

Monthly List of Russian Acquisitions, Library of Congress, August 1952. UNCLASSIFIED.

1. KUTOVSKY, I.
2. USSR (600)
4. Tractors - Motors
7. Universal stand for hydraulic testing of heads, blocks and other parts of tractor engines. Tekhnov. MTS 13, No. 16, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. KUTUVOY, I.
2. USSR (600)
4. Agricultural Machinery - Repairing
7. MU-1 washing unit. Tekheov. MTS 13 no. 37 1952

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

1. RTOWAY, I.
2. USSR (600)
4. Lathes
7. Screw-cutting lathe IA-62. Tekhnov. MTS 13 No. 41, 1952.
9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

1. KUTOVOY, I.
2. USSR (600)
4. Fans, Mechanical
7. Stand for balancing ventilators (as illustrated on the cover). Tekhsov. MTs 13 no. 47-48, 1952.
9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

1. KUTOVOY, I.
2. USSR (600)
4. Lubrication and Lubricants
7. New equipment for machine tractor station workshops. MTS 13 no. 3 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

KUTOVOY, I.

The 6N82 universal milling machine; drawing on cover. Tekhsov.
MTS 15 no.3:16 F '54. (MLRA 7:2)
(Milling machinery)

KUTOVOY, I.D.; DSPARMA, V.N.; LIVSHITS, L.O.; KOROLEV, N.V.; DEMIN, V.S.,
redaktor; OGOLIN, K.S.; redaktor; MAYBOHODA, M., tekhnicheskiy redaktor.

[Repair equipment for machine-tractor stations. Apparatus, devices and tools shown at the All-Union Agricultural Exhibit; a reference manual] Rementnaya oborudovaniye masterskoi MTS. Pribory, prispesekhnia i instrumenty, eksponiruemye na VSKhV; spravtechnik. Moskva, Gos.izd-vo kul'turno-prosvetitel'soi lit-ry, 1955. 175 p. (MIRA 9:6)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954- .
(Agricultural machinery--Repairing)

KUTOVOY, Ivan Denisovich; KHYUKOV, V.L. , redaktor; GUREVICH, M.M..
tekhnicheskiy redaktor

[Concise reference manual on equipment repair] Kratkii spravochnik
po remontnomu oborudovaniyu. Moskva, Gos. izd-vo selkhoz. lit-ry,
1956. 167 p.
(Agricultural machinery--Repairing)

KUTOVOY, Ivan Denisovich; FEDOSEYEV, Aleksandr Mikhaylovich;
ANDREYEV, N.N., inzhener, retezennetz; YEGORKINA, L.I., inzhener,
redaktor; MODEL', B.I., tekhnicheskij redaktor

[Reference book on equipment for repair shops and plants in
agriculture] Spravochnik po oborudovaniu remontnykh masterskikh
i zavodov sel'skogo khoziaistva. Izd. 3-e, perer. i dop.
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957.
875 p.

(Agricultural machinery--Repairing)
(Machine shops)

(MLRA 10:4)

KUTOVOY, Ivan Denisovich; PODOSEYEV, Aleksandr Mikhaylovich; KALASHNIKOV,
P.A., inzh., red.; YATSENKO, V.A., inzh., retsenzent; PAL'KO,
O.S., red.izd-va; CHERNOVA, Z.I., tekhn.red.

[Manual on the equipment of collective farm repair shops] Spravochnik po oborudovaniyu kolkhoznykh remontnykh masterskikh.
Moskva, Gos.snauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960.
180 p. (MIRA 13:10)
(Agricultural machinery--Maintenance and repair)

ACC NR: AP7004270

(N)

SOURCE CODE: UR/0432/66/000/003/0047/0048

AUTHOR: Nekrasov, M. M. (Candidate of technical sciences); Kutovoy, I. V.; Osadchuk, V. S.

ORG: none

TITLE: The use of avalanche transistors as inductance analogs in circuits

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 3, 1966, 47-48

TOPIC TAGS: germanium transistor, transistorized amplifier

ABSTRACT: A transistor operating in the region of avalanche multiplication has been designed at the Kiev Polytechnical Institute for use as an inductive analog. The alloyed-junction transistor, based on n-type germanium with a specific resistance of 0.18 ohm·cm, has been employed in a resonance amplifier circuit (see Fig. 1). The

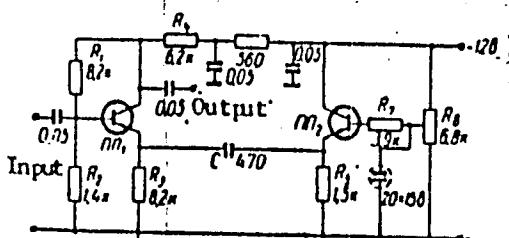


Fig. 1. Resonance amplifier circuit

Card 1/2

UDC: 539.293.011.53

ACC NR: AP7004270

amplifying stage consists of a PP₁ transistor and R₁—R₄ resistors. The series resonance stage, which consists of capacitance C₁ and a PP₂ transistor, and which acts as an analog of the inductive element, is connected in parallel to resistor R₄. Resistors R₅ and R₇, and potentiometer R₈ determine the operating conditions of the transistor. It was found that with an increase in the emitter current the inductance of the transistor drops while its Q increases; thus by varying the d-c supply of the transistor the resonance frequency of the circuit can be shifted and its Q controlled. For Q of the order 64 at a resonance frequency of 640 kc, resistance in the emitter circuit of the PP₂ transistor was equal to 1.5 kohm, emitter current to 1.7 mamp, collector current to 2.1 mamp, and collector voltage to -12 v. In subsequent tests, resistance in the emitter circuit was equal to 22 kohm, emitter current to 0.24 mamp, collector current to 0.42 mamp, and collector voltage to -15 v. As a result of these measurements the resonance frequency was fixed at 290 kc for Q 30. For Q above 100, the circuit at first became self-oscillatory and then acted as a rectangular pulse generator. The use of inductive avalanche transistors will make possible the design of miniaturized resonance amplifier circuits as well as sinusoidal signal and pulse generators. Orig. art. has: 2 formulas and 3 figures.

SUB CODE: 09/ SUBM DATE: none/

Card 2/2

BAVZIK, V.A., tel. p. 00709, L.A., 1970, MIA, T.V., r.m.

[Redacted] [Redacted] [Redacted] [Redacted] [Redacted]
[Redacted] Narodná akadémia vied, Matematický ústav
československé akademie vied, Bratislavské predmestie, Praha 270 P.
[Redacted]

KUTOVOY, I. N.

KUTOVOY, L. N. Construction of 35-kv Substations in Coal Mines with Close Line Connections. (K Voprosu o Konstruktsii Podstantsiy Ugol'nykh Shakht pri Glubokikh Vvodakh Liniy 35-kv), pp. 19-20

Combining the control operation of 35-kv, 6-kv, and 0.4-kv substations and their supervision by trained personnel of the mine is recommended for the new Contas mines (diagram).

SO: PROMYSHLENNAYA ENERGETIKA, No. 10, Oct. 1952, Moscow (1502270)

KUTOVOY, L.N., inzhener

Let us take advantage of the progressive practices in the
Main Administration of Electric Installation. Ugol' 30
no.6:42 Je '55. (MIRA 8:8)

1. Dneprogiproshakht.
(Electricity in mining)

KUTOVOY, L.N., inzh.

Regulations pertaining to the installation of electric equipment
for the coal industry. Prom.energ. 15 no.3:41-42 Mr '60.
(MIRA 13:6)

1. Dneprogiproshakht.
(Electricity in mining) (Coal preparation plants)

KUTOVOY L.N., inzh.

Response to A.N. Selishchev's article "Technical requirements
for explosion-proof mobile electric su-stations for mines."
Ugoi 35 no.5:60-61 May 60. (MIRAL3:7)

1. Dneprogiproshakht.
(Electricity in mining)

MURZIN, V.A., kand. tekhn. nauk, dotsent; TSEYTLIN, Yu.A., kand. tekhn. nauk, dotsent; KUTOVOY, L.N.; FAYBISOVICH, I.L., dotsent

Area of use of pneumatic power in coal mines. Ugol' 38
no.9:10-12 S '63. (MIRA 16:11)

1. Dnepropetrovskiy gornyy institut (for Murzin, TSeytlin).
2. Glavnnyy energetik Dnepropetrovskogo gosudarstvennogo instituta po proyektirovaniyu shakhtnykh ustyanovok (for Kutovoy).

KUTOVOY, L.N.

Load distribution in a coal mine according to the degree of importance
of the operations. Prom. energ. 18 no.9:52-54 S '63.
(MIRA 16:10)

1. Dnepropetrovskiy gosudarstvennyy institut po proyektirovaniyu
shakhynykh ustanovok.

KUTOVOY, L.N., inzh.

Introduction of 660 volt potentials in coal mines. "Ugol'"
39 no.7:45-47 J1 '64. (MIRA 17:10)

1. Zapovednikovskiy gosudarstvennyy institut po proektirovaniyu
shakhtnykh ustroevok.

GREYGOZH, Moisey Vul'fovich; KUTOVOK, Leonid Nikolayevich

[Electric power supply for coal and ore mines] Elektro-
snabzhenie ugol'nykh i rudnykh shakht. Moskva, Nedra,
1965. 359 p. (MIRA 18:6)

KUTOVOY, M.M., inzh.

Chain-driven drum dryers, Masl.-zhir. prom. 24 no. 8:46-47 '58.
(MIRA 11:8)

1. Poltavskiy maslozhirovoy kombinat.
(Drying apparatus)

KUTOVOY, N.

Achievements of young people. Izobr. i rats. no.5:32
May '59. (MIRA 12:8)

1. Zamestitel' zaveduyushchego otdelom komsomol'skikh organizatsiy
Krasnodarskogo krayevogo komiteta Vsesoyuznogo Leningrskogo
komunisticheskogo soyusa molodeshi.
(Krasnodar--Efficiency, Industrial)

KUTOVOY, S.V., inzhener.

Pneumohydraulics as a means of automatizing metal-cutting
machines. [Izd] LOMITOMASH 24:11-38 '51. (MIRA 8:2)

1. Orgavtoprom.
(Machine tools)

KUTOVOY, S.V., inshemer.

Modern mechanized clamp arrangement for lathes. [Izd] LOMITO-
MASH 24:218-232 '51. (MLEA 8:2)

1. Orgavtoprom.
(Chucks)

TRAVEL, C. V.

Arms and Fixtures

Small, automatic turrets, total RNSG-10.
Stan.i.instr., 23, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. INCLASS FILM.

KUTOVY,S.V., inzhener

SSM-750 butt welder. Svar.proizv. no.9:32 '55. (MLRA 8:11)
(Electric welding)

L 15122-65 EWT(m) DIAAP/RAEM(e)/ESD(t)/ESD(gs)/BSD/ASD(a)-5/AS(mp)-2 DM
ACCESSION NR: AP4045338 S/0089/64/017/003/0224/0225

AUTHOR: Kutovoy, V. I.; Stetsenko, V. I.

TITLE: Dependence of the linear absorption coefficient of gamma radiation from Co^{60} on temperature of the absorbing metal

SOURCE: Atomnaya energiya, v. 17, no. 3, 1964, 224-225

TOPIC TAGS: gamma radiation, Co^{60} , gamma radiation absorption coefficient, temperature effect, gamma ray absorption

ABSTRACT: The change of the metal temperature produces changes in the absorption of gamma radiation, mainly because of density changes. This dependence was measured by the authors for the gamma radiation from Co^{60} in a wide range of temperatures: from 20°C to the boiling points of Al, Zn, Cd, Sn, Pb and B the total change of μ in this range is between 10 to 30%. There is a discontinuity of μ at the melting point (a sharp drop). There is a further continuous drop in the liquid metal. Orig. art. has: 2 figures.

Card 1/2

L 15122-65
ACCESSION NR: AP4045338

ASSOCIATION: None

SUBMITTED: 14Nov63 ENCL: 00

SUB CODE: NP, TD NO REF SOV: 002 OTHER: 002

Card 2/2

L 1903-66 EWT(d)/EPA(s)-2/EWT(m)/EFF(r)-2/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/
EWP(I) DIAAP JD/VN/JG
ACCESSION NR: AP5024167

UR/0115/65/000/008/0017/0020
536.5:669-154

AUTHOR: Kutovoy, V. I.; Stetsenko, V. I.

TITLE: Temperature monitoring of liquid metals by the radioisotope method

SOURCE: Izmeritel'naya tekhnika, no. 8, 1965, 17-20

TOPIC TAGS: liquid metal, temperature measurement, gamma ray absorption

ABSTRACT: The paper presents a radioisotope method for continuous contactless determination of the temperature of a liquid metal from the change in the absorption of gamma rays by the metal. The method involves the measurement of the change in the linear coefficient of gamma ray absorption $\Delta\mu$ in a container where the thickness of the molten metal is kept constant in the zone of measurement. The applicability of the radioisotope method is determined from the change in the linear attenuation coefficient on heating the molten metal 100°C between the melting point t_{mp} and the boiling point t_{bp}

$$\frac{\Delta\mu}{200} n = \frac{t_{bp} - t_{mp}}{100^\circ C},$$

$\Delta\mu$ being the change in the linear absorption coefficient as the temperature is
Card 1/2

L 1903-66
ACCESSION NR: AP5024167

raised from t_{mp} to t_{bp} . The higher the value of $\frac{\Delta u}{20^{\circ}n}$, the greater is the temperature sensitivity of the radioisotope instrument. After Δu has been measured, the thickness of the metal in the zone of measurement being constant, the temperature of the molten metal can be determined from the change in the ratio of intensity of the recorded radiation at the temperature studied, I , to the intensity of the radiation recorded at the melting point I_{mp} . A scintillation instrument for continuous contactless monitoring of the temperature of molten metals is described. Orig. art. has: 4 figures, 2 tables, and 2 formulae.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, TD, NF

NO REF Sov: 003

OTHER: 000

Card 2/2

L 9422-66

DM

ACC NR: AP5022646

UR/0089/65/019/002/0203/0203
539.121.73:539.166

38

B

AUTHOR: Kutovoy, V.I.; Stetsenko, V.I.

TITLE: Linear absorption coefficient of gamma radiation from Co⁶⁰ and Cs¹³⁷ in alloys

SOURCE: Atommaya energiya, v. 19, no. 2, 1965, 203

TOPIC TAGS: gamma radiation, gamma ray absorption, absorption coefficient, LEAD ALLOY

ABSTRACT: The dependence of the coefficients of absorption of gamma rays on the content of lead in the alloys of Pb-Bi and Pb-Sn types. The results of experiments are represented in two graphs (see Enclosure). The curves show how the relative value of linear absorption coefficient varies with the Pb-content in Pb-Bi and Pb-Sn alloys.

ASSOCIATION: none

SUBMITTED: 22Sep64

ENCL: 01

SUB CODE: NP

NO REF Sov: 001

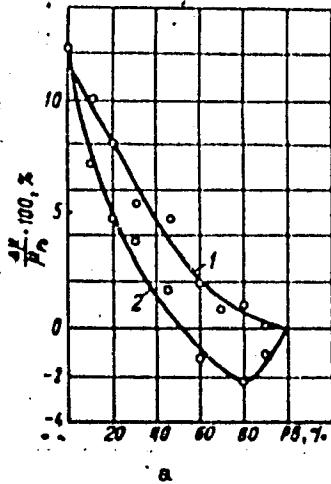
OTHER: 001

Card 1/2

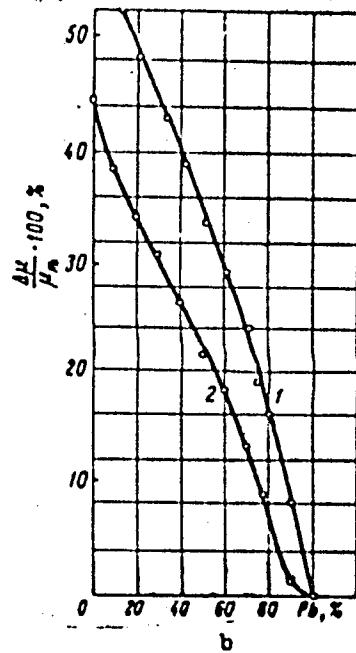
L 9422-56

ACC NR: AP5022646

Relative change of the linear absorption coefficient of gamma radiation from Co-60 and Cs-137 in the dependence of the lead content of the alloys Pb-Bi (a) and Pb-Sn (b):

1-gamma radiation of Cs¹³⁷2-gamma radiation of Co⁶⁰

a



b

Card 2/2 rds

KUTOVOY, V., inzhener.

~~Efficient diagrams for "Donbass" cutter-loader chain lacing. Mast.
ugl. 6 no. 7±15-16 J1 '57.~~
(MILRA 10:9)
(Coal mining machinery)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6

BRENNER, V.A., KUTOVY, V.I.

Results of introducing a new design of cutting chain sets for
"Donbass" cutter-loaders. Mauch. trudy KNIUI no.2:105-113 '58.
(MIRA 13:8)

(Karaganda Basin--Coal mining machinery)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6"

YATSKIKH, V.O., kand.tekhn.nauk; KUTOVOY, V.I., starshiy nauchnyy
sotrudnik; POLYAKOVSKIY, V.P., starshiy nauchnyy sotrudnik

Ways to increase the capacity of narrow-range cutter-
loaders. Ugol' Ukr. 4 no.5:8-9 Ag '60.
(MIRA 13:8)
(Coal mining machinery)

YATSKIKH, Valerian Grigor'yevich [IAtskikh, V.H.]; KUTCHOV, Valentin Ivanovich [Kutovyy, V.I.]; POLYAKOVSKIY, Valentin Fomich [Poliakova's'kyi, V.F.]; KOVALENKO, Vladimir Aleksandrovich; YUROVSKIY, Lev Arkad'yevich [IUrovs'kyi, L.A.]; DYACHENKO, I., red.; SICHUGOV, V.[Sychuhov, V.], tekhn. red.

[Mechanization of coal mining on a flat incline] Mekhaniza-tsiia vyimannia vuhillia na polohomu padinni. Kyiv, Derzh-tekhvydav URSR, 1961. 125 p. (MIRA 16:6)
(Ukraine--Coal mining machinery)

YATSKIKH, Valerian Grigor'yevich; KUTOVOY, Valentin Ivanovich; SHAPIRO,
Iosif Genrikhovich; MIKHOVA, T.A., red.izd-va; SABITOV, A.,
tekhn. red.

[Coal sizing and ways for improving it during the operation of
mining machinery]Sortnost' ugla pri rabote vyemochnykh mashin
i puti ee uluchsheniia. Moskva, Gosgortekhizdat, 1962. 161 p.
(MIRA 16:3)

(Coal mines and mining)

KUTOVOY, V.I., inzh.; SHAPIRO, I.G., inzh.

Determining the output of fine classes of coal in the operation
of mining machines. Sbor. DonUGI no.29:80-94 '63. (MIRA 16:10)

(Coal mines and mining)

ACC NR: AP6031790

SOURCE CODE: UR/0054/00/000/007/0038/0046

AUTHOR: Atroshchenko, V. I.; Yefimov, V. T.; Litvinenko, I. I.; Aleksyev, V. N.;
Kutovoy, V. V.; Abrosimova, A. M.; Galinskiy, A. G.; Golius, L. M.

ORG: none

TITLE: Film-type autoclave for the production of concentrated nitric acid

SOURCE: Khimicheskaya promyshlennost', no. 7, 1966, 38-40

TOPIC TAGS: nitric acid, nitrogen compound, chemical engineering, chemical reactor,
chemical plant equipment

ABSTRACT: A film-type autoclave (liquid reagents flow over the packing in form of a film) packed with aluminum coil coated with a fluorinated resin for production of concentrated nitric acid is described and its advantages over the conventional flooded-type autoclave are pointed out. The schematic of the autoclave is shown in figure 1. 98.4% nitric acid was obtained in this film-type autoclave at 25 atm, $N_2O_4:H_2O$ ratio of 8.5-8.9, and a contact time of 17 min. At 40 atm and $N_2O_4:H_2O = 8.1-8.7$ and 17 min contact time, the acid concentration was equal to 98.7-99.2%. The oxygen consumption was close to the stoichiometric amount. It was found that the film-type autoclave is twice as effective as the flooded-type autoclave and that it compared very favorably from the standpoint of corrosion. Orig. art. has: 4 figures, 2 formulas.

UDC: 661.565 : 66.023.7

Card 1/2

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6

ACC NR: AP6031790

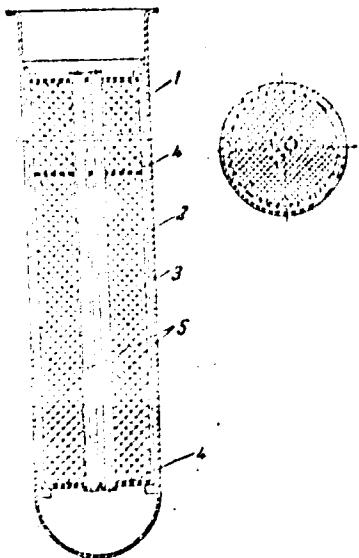


Fig. 1. 1--vessel; 2--shell; 3--coated aluminum coil; 4--grid; 5--concentrating tubes.

SUB CODE: 11 13107/ SUBM DATE: none

Card 2/2

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6"

KUTOVOY, Ye.A., inzhener; MARGUN, N.I., inzhener.

Establishing regional bases in Stalino Mine Building Trust.
Shakht.stroi. no.2:26-27 F '57. (MIRA 10:7)

1. Trest Stalinshakhtstroy.
(Donets Basin-Mining buildings) (Building materials)

PROKOP'YEV, D.S., inzh.; KUTOVOY, Ye.A., inzh.; PIVOVAR, O.B., inzh.

Use of skip hoisting in mine building. Shakht.stroi. no.2:23-24 F '59.
(MIRA 12:3)

1. Trest Stalinshakhtstroy.
(Mine hoisting)

PROKOP'YEV, D.S., inzh.; KUTOVOY, Ye.A., inzh.

Rod bolting for sheathings. Shakht.stroi. no.1:24-25
Ja '60. (MIRK 13:5)

1. Treat Stalinshakhtstroy.
(Mine roof bolting) (Shaft sinking)

FEL'DMAN, N.L., inzh.; KUTOVOY, Ye.A., inzh.

Direct water pumping at the "Novo-Tsentral'naya" mine of the
Stalinshakhtostroi Trust. Shakhtostroi. 4 no.2:24-26 P '60.
(MIRA 13:5)

1. Trest Stalinshakhtostroy.
(Kuznetsk Basin--Mine drainage)

BERKOVICH, I.M., inzh.; KUTOVOY, Ye.A., inzh.

Improving the PML-5 rock loader. Ugol' Ukr. no.6:35-36 Jo '60.
(MIRA 13:7)
(Coal handling machinery)

NOVIK, I.I., inzh.; KUTOVOY, Ye.A., inzh.

Modernization of the PML-5 rock loader is urgently required. Shakht.
stroj. no.8:27 Ag '60. (MIRA 13:11)

1. Trest Stalinshakhtstroy.
(Loading and unloading)

18

27

Method for controlling chrome tanning. M. Kutovský
Kochanova Obrazová Pow. S. S. S. R. 13, 122 (1934). The
following rapid method for testing the content of tanning
agents in the tannery is recommended: Before the introduc-
tion of addnl. chemicals in the tanning with the Cr(III)
content is detd. colorimetrically and the sulfate by titra-
tion with 0.1 N NaOH. The ratio of $\frac{\text{Cr(III)}}{\text{SO}_4^{2-}}$ is thus
ascertained and either ext. or soda is added to obtain the
required basicity. A. A. Bochtingk

APPENDIX - DETAIL OF DOCUMENT CLASSIFICATION

Rapid electrometric determination of chromium. M.
Yu. Kutovskii and S. M. Khomynskaia. *Zhur. zhan.*
Metallurg. Prom. SSSR, No. 4, 40-2 (1962). A
dilute soln. is treated with 20% NaOH and a few drops of a
Hg salt soln., and titrated with 0.1 N K₂S₂O₈, while hot
till colored. Five references. V. V. Postreby

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

1960-1961

Impenetrability to water and thickness of the varnish film on chrome-tanned leather. N. M. Khufets and M. I. Kurovskii. *Kontsevnoe-Chernye Pismo* (U.S.S.R.) 10, No. 7, 413 (1957). *Chimia & Industria* 39, 963. — A satisfactory impermeability to water is obtained with a varnish of the following composition: 10% casein 1.43 kg., blood 1.10 kg., mica 0.34 kg., glycerol 0.014 kg., alizarin oil 0.01 kg., 12% formaldehyde 7.01 l., to a total vol. of 12 l. Variations in the impermeability to water are generally due to insufficient viscosity of the casein varnish, which should be 2.5° Engler at 40°. To render the film finer, the above mixt. should be passed through a colloid mill.

— From *Chimia*.

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

29

Recovering chromium hydroxide from spent chrome-tanning extracts. M. Ya. Kutovskii and A. S. Frolov. Russ. Invent., Feb. 29, 1940. Cr(OH)₃ is precipitated by means of Na₂CO₃.

ASCE 100-10 METALLURGICAL LITERATURE CLASSIFICATION

CA

21

Dyeing leather. M. Ya. Kurovskii and N. V. Goryainova. U.S.S.R. 61,308, Feb. 28, 1943. The skins are treated with an 8% soln. of an emulsifier. Then, to the same soln. are added the dye and the other components of a dye bath, and the dyeing is finished as usual. This process is particularly applicable to pig skins, which because of a larger content of fats present dyeing difficulties. M. Hirsch.

ASB 31A METALLURGICAL LITERATURE CLASSIFICATION

MUTOVSKIY, M. YA

23285 Vliyaniye Nekotorykh Professorov I Mekhanicheskikh Operatsiy Na Prochnost'
Al'romovoy Kozliny I Ovchiny. Lektsiya Prom-sti, 1949, No. 6, c. 11-15

SO: LETOPIS NO. 31, 1949

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6

KUTOVSKIY, M.Ya.

Chrome leather from seal skins. Legkaya Prom. 12, №.2, 28-9 '52.
(MLRA 4:12)
(CA 47 no.19:10260 '53)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927920006-6"

KUTOVSKIY, M.Ya.

Improving the utilization of low-quality raw material. Leg.prom.
14 no.7:24-26 J1 '54. (MLRA 7:7)

1. Glavnnyy inzhener kozhevennogo zavoda im. Kominterna.
(Hides and skins)

KUTOVSKIY, M.Ya.; ZABOTIN, K.P., kandidat khimicheskikh nauk.

Useful but insufficiently studied book. ("Theoretical principles and practical methods of coating leather with dyes and lacquer." V.I.Eliseeva. Reviewed by M.IA.Kutovskii, K.P.Zabotin). Leg.pren. 15 no.11:44-48 N '55.

1.Glavnyy inzhener zaveda imeni Kominterna.(for Kutovskiy)
(Leather industry) (Eliseeva; V.I.)

KUTOVSKIY, M.Ya.

Manufacture of chrome leather velcurs. Log.prom [16] no.11:43-
46 N '56. (MLRA 10:1)
(Leather industry)

SOV/137-58-8-16263

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 4 (USSR)

AUTHORS: Olevskiy, V.A., Kutovskiy, M.Ya.

TITLE: Dressing the Limestones of Pikalevo in Leningrad Oblast as a Raw Material for Alumina Production (Obogashcheniye izvestnyakov Pikalevskogo mestorozhdeniya Leningradskoy oblasti kak syr'ya dlya glinozemnogo proizvodstva)

PERIODICAL: [Tr.] Vses. n.-i. i proyektn. in-ta mekhan. obrabotki poleznykh iskopayemykh, 1957, Nr 102, pp 275-282

ABSTRACT: The limestones of this occurrence are unconditioned in terms of silica content. A process procedure is proposed in which the major operation is the hand picking of the silicon-bearing inclusions.

1. Calcite--Processing 2. Aluminum--Production A.Sh.

Card 1/1

KUTOVSKIY, M.Ya.

Testing agglomerate ring coolers designed by the Mekhanobr
Institute. Obog.rud 3 no.5:40-42 '58. (MIRA 12:5)
(Ore dressing--Equipment and supplies)

KUTOVSKIY, M.Ya., glavnyy inzhener

Increase the capacity of leather plants and improve the quality
of chrome leathers. Kozh.-obuv.prom. no.6:4-8 Ja '59.
(MIRA 12:9)

1. Kozhevennyj zavod im. Kominterna.
(Leather industry)